

E*Sniffer

Kyell Turner



E*Sniffer



Who is E*Sniffer being
developed for?

E*Sniffer

- E*Sniffer is being developed for the AMCOM Engineering, Environment and Logistics Oversight (EELO) Office.

EELO



- EELO is responsible for review of AMCOM-owned technical documents such as DMWRs, MWOs, TMs, etc., for identification of hazardous materials, including ozone-depleting chemicals (ODCs) usage, and the revision of these documents with alternate materials and processes.



What is the EELO Publication Review Process In a Nutshell?

EELO Review Pubs Process In a Nutshell



- EELO is reviewing paper manuals identifying all “potential hits” and entering them in an Access Database.
- Then queries are ran on the “potential hits” to determine which is a “hit” or a “non-hit”
- A “hit” is an item that appears on EPCRA 302, EPCRA 313, SD-14 etc.

EELO Review Pubs Process In a Nutshell



- A “non-hit” would be any other consumable material, referenced document Mil Spec etc.
- “Hits” are loaded into the Environmental Documentation System (EDS) Database.
- Replacements are then identified for “hits” and then a request for publication change done.
- “Non-hits” are archived for future use, if needed.



What kind of issues does EELO
face with IETMs?

EELO IETMs Issues



- IETMs are not linear. How do you review an entire IETM or know that you have traversed all paths?
- All IETMs aren't all authored the same. Would IADS training + IETM specific training be required?

EELO IETMs Issues



- How to mark “potential hits” in an IETM and then transfer into a database?
- No page numbers so how do you record “hit” locations?
- Several systems have no paper manuals and more are moving away.

E*Sniffer



What is E*Sniffer?

E*Sniffer



- E*Sniffer is a tool designed to search through IADS Interactive Electronic Technical Manuals (IETMs) and record locations where ODCs and HazMats are referenced.

E*Sniffer



Why is it called E*Sniffer?

E*Sniffer



- A few years ago there was a program, called Rover, developed my RDEC to solve the problem of searching electronic documents for HazMats and ODCs.
- Rover took MS Word files and he would “Sniff” out chemical names in the files.
- Since Rover was an electronic environmental sniffer → we named the new effort.....E*Sniffer

E*Sniffer

Other ideas were:

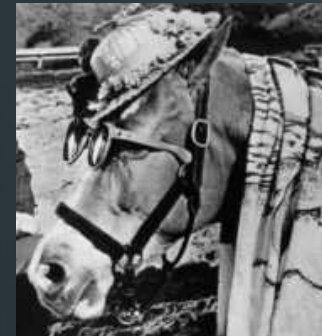
“Clifford the Big Red
Potential Hit Sniffer”



“Old Yeller Sniffer”



“Mr. ED Sniffer” – Mr.
Electronic Document
Sniffer



E*Sniffer



How does E*Sniffer work?

E*Sniffer Potential Hits



HIT	SOURCE
5-104-4	PART_NUM_NON_HIT
5106	REF_DOC_NON_HIT
5-106-9	PART_NUM
5-108-9	PART_NUM
5110-00-018-0952	NSN_NON_HIT
5110-00-234-6550	NSN_NON_HIT
5110-00-239-7739	NSN_NON_HIT
MIL-C-22787	REF_DOC_NON_HIT
MIL-C-23377	REF_DOC
ST8318	PART_NUM
ST-90-ALO-382	PART_NUM_NON_HIT
STABOND	ITEM_DESC
STAINLESS	ITEM_DESC_NON_HIT
STAKE	ITEM_DESC
STAMP	ITEM_DESC_NON_HIT
STAMPED	ITEM_DESC
STANCHEM PRODUCT NUMBER 66X2866, EAST BELIN, CT	PART_NUM

E*Sniffer Potential Hits



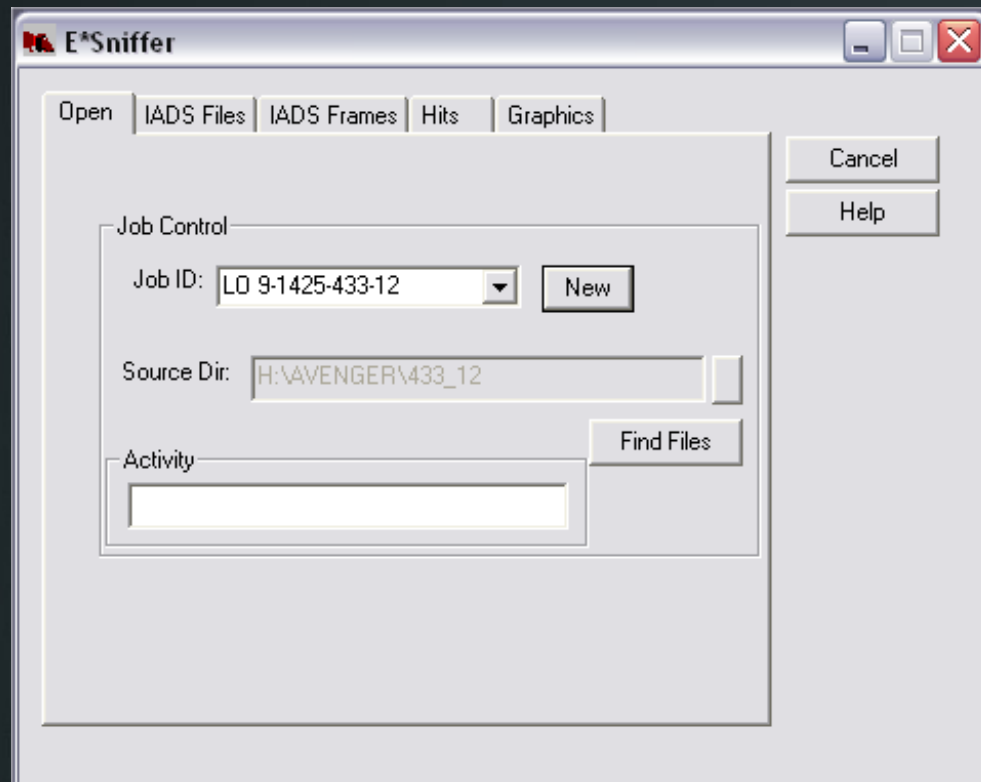
- There are 31304 “potential hits” in the current version of E*Sniffer
- ITEM_DESC: 1526
- ITEM_DESC_NON_HIT: 1048
- NSN: 4212
- NSN_NON_HIT: 5556
- PART_NUM: 3222
- PART_NUM_NON_HIT: 6692
- REF_DOC: 5892
- REF_DOC_NON_HIT: 3154

E*Sniffer

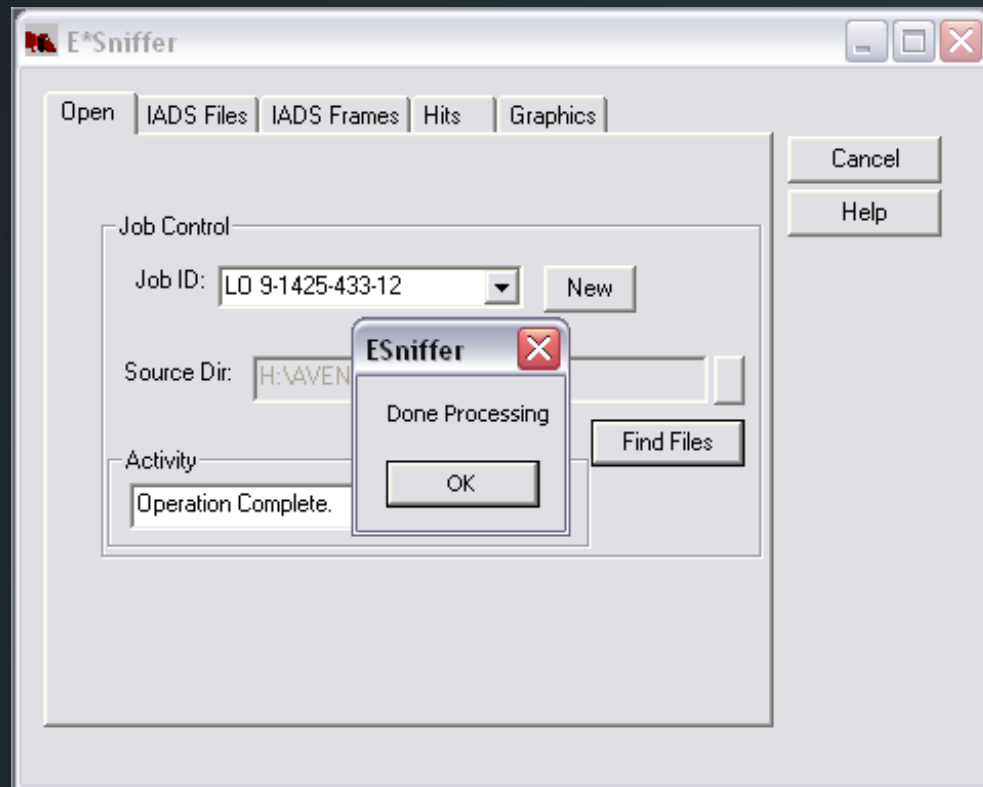


- Then E*Sniffer then goes through the directory structure for the IETM identifying all files (SGM & IDE) to be scanned.
- It builds a frame list for each file and scans each frame for phrases/words that are on the “potential hit” list and enters a “hit” into the database.

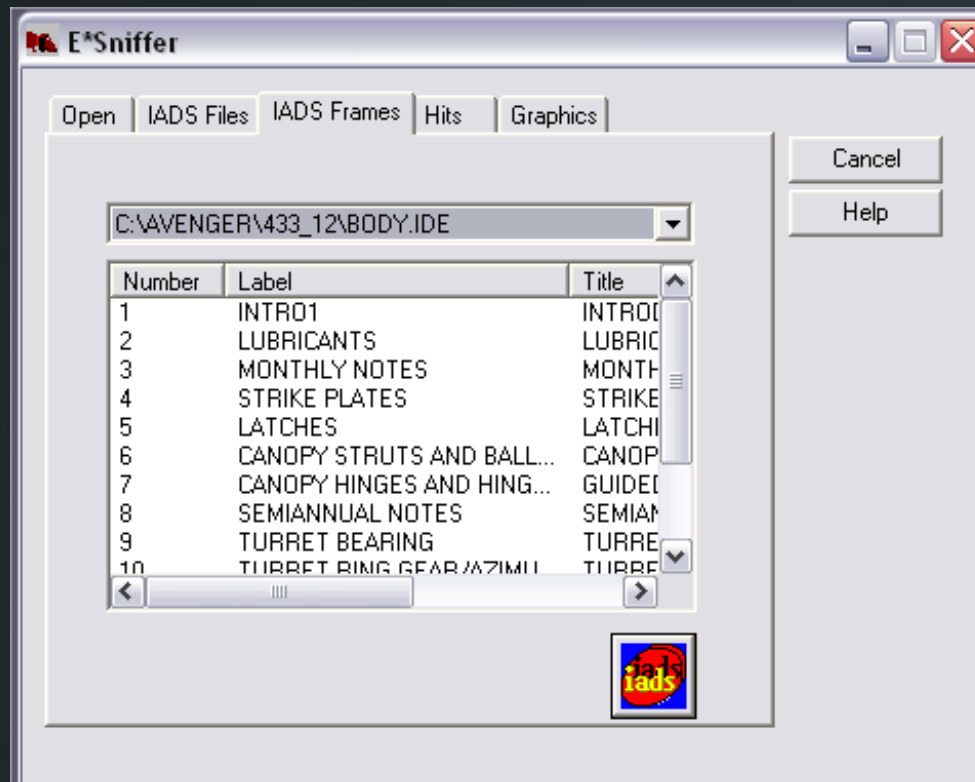
E*Sniffer



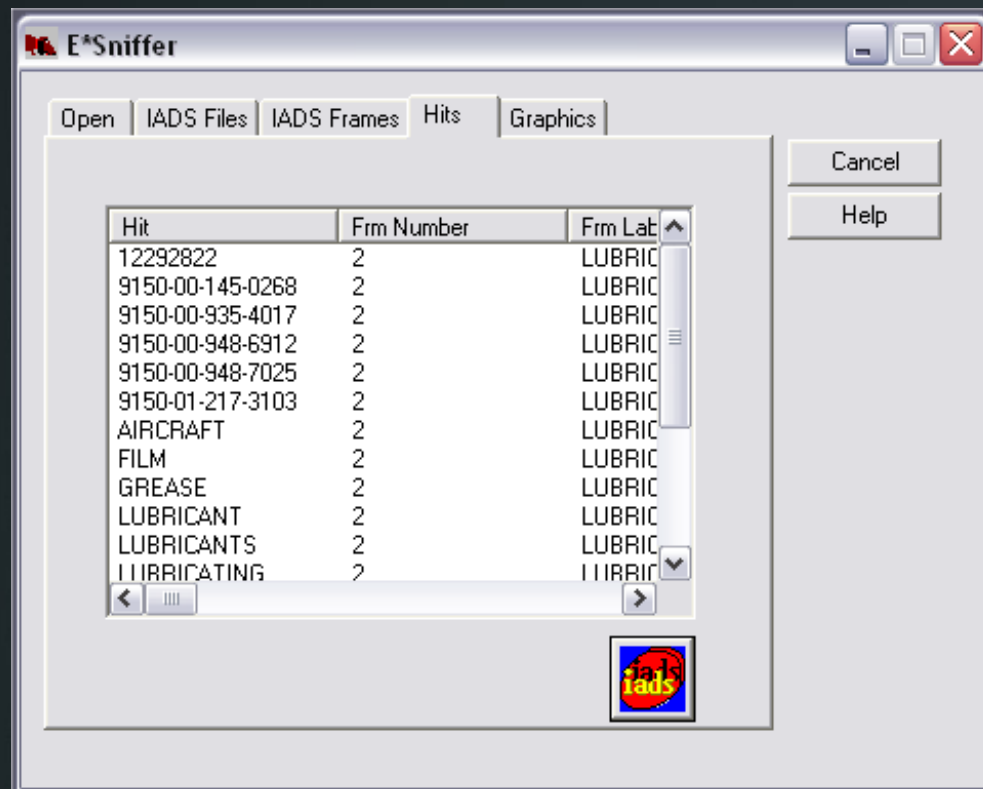
E*Sniffer



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LO 9-1425-433-12 LI 09871A-12/11

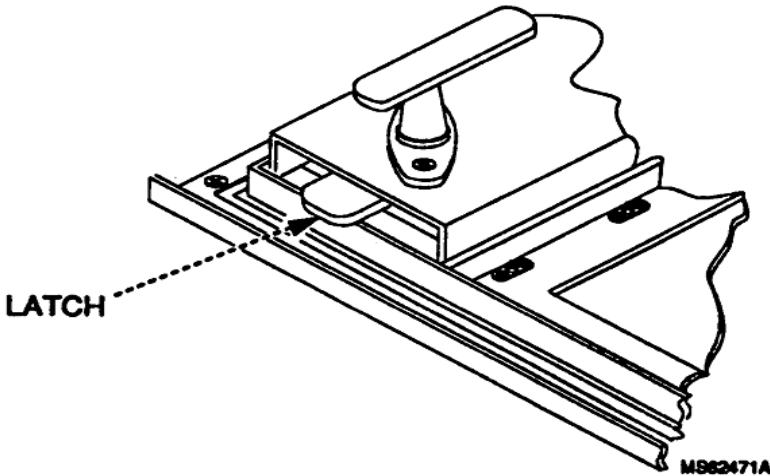
File Movement Tools Options Help

Back

Table of Contents

DEFAULT

NOTE 2



M982471A

Im...

LATCHES [5 of 13]

NOTE 2

LATCHES

a. Wipe latches with clean rag.

b. Lubricate with solid film lubricant (MIL-L-46010).

Hit: MIL-L-46010 No. 1

File: B

Frame No: CLEAN

Frame: FILM

Doc Num: LUBRICANT

Prt/Dwg: LUBRICATE

Chemical: MIL-L-46010

Page: NOTE

Item Num: SOLID

Item Desc:

NSN:

Ref Doc: MIL-L-46010

Doc Cout:

Cage:

Supl Info:

Part No:

Archive

Use

Insert

Update

Delete

Cancel

C:\AVENGER\433_12\BODY.IDE

3.2.0005

IADS Users Conference
2004

E*Sniffer Improvements



- Ability to search graphics for callouts that have HazMats. (CGM graphics)
- Add RPSTL search capability.
- Refine the Potential Hit search routine.

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Demonstration

IADS Users Conference
2004